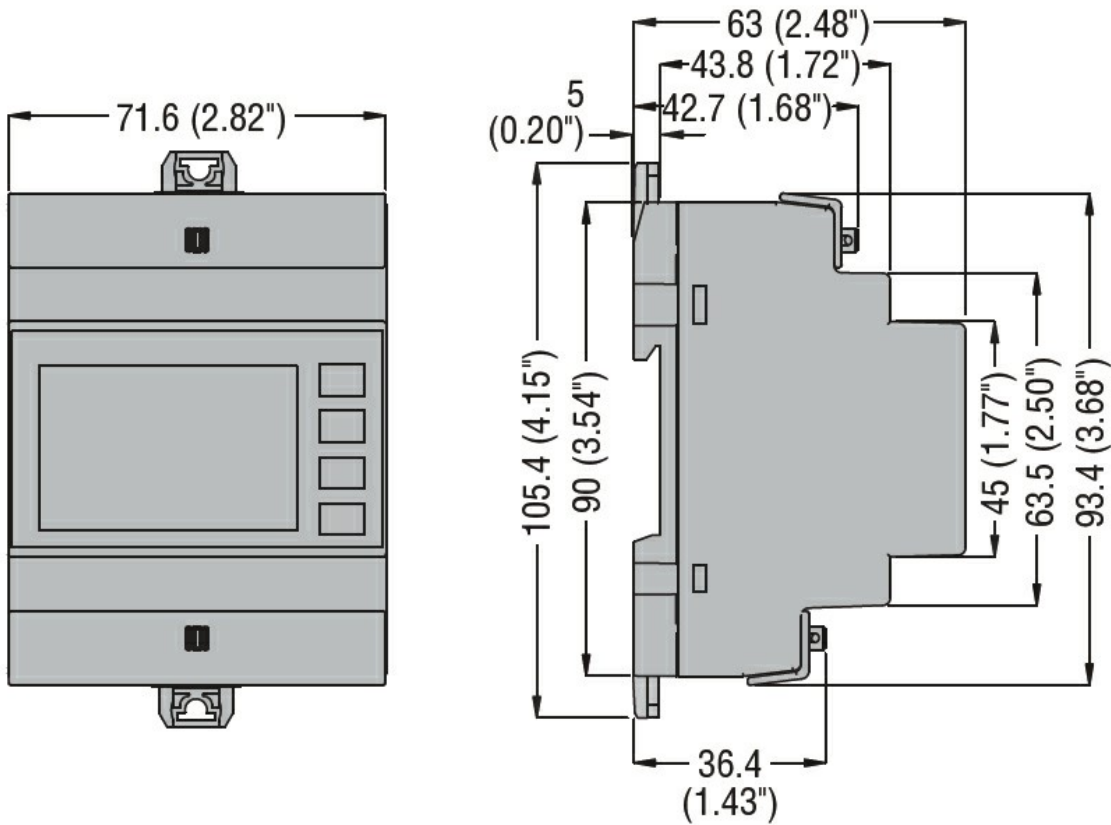




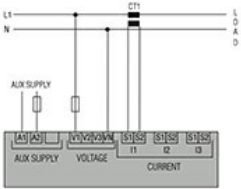
Product designation	Modular LCD multimeters.		
Product type designation	expandable		
Type	DMG300		
DIN rail module number	Three-phase + neutral		
	4		
<b>Auxiliary supply Us</b>			
Auxiliary rated supply voltage AC	VAC	100...240	
Auxiliary rated supply voltage DC	VDC	110...250	
Auxiliary operating voltage range			
AC			
	min	VAC	85
	Max	VAC	264
DC			
	min	VDC	93.5
	Max	VDC	300
Operational frequency			
	min	Hz	45
	max	Hz	66
Power consumption			
	Max	VA	3.2
Power dissipation Max		W	1.3
<b>Measuring voltage inputs</b>			
Rated voltage (Ue)			
	phase-phase	VAC	690
	phase-neutral	VAC	400
Operating voltage range			
	phase-phase	VAC	20...830
	phase-neutral	VAC	10...480
Voltage inputs operational frequency			
	min	Hz	45
	max	Hz	66
Voltage inputs measurement method	True RMS		
Connection method	Single. two. three-phase with or without neutral. balanced three-phase systems		
<b>Current inputs</b>			
Rated current (Ie)	A	1 / 5	
Measurement range	0.01...1.2 / 0.01...6		
Measurement method	TRMS		

Overload capacity				+20% Ie through external CT with 5A secondary
Overload peak		A		50A for 1s
<b>Accuracy</b>				
	VLN voltage			±0.2%
	VLL voltage			±0.2%
	Current			±0.2%
	Frequency			±0.05%
	Active power			±0.5%
	Active energy			Class 0.5s (IEC/EN 62053-22)
	Reactive energy			Class 2 (IEC/EN 62053-23)
<b>Insulations</b>				
Rated insulation voltage Ui IEC/EN		V		690
Rated impulse withstand voltage Uimp		kV		9.5
Operating frequency withstand voltage		kV		5.2
<b>Functions</b>				
Harmonic analysis				31st order
PLC logic				No
Type of communication port				No
Ethernet-RS485 gateway function				Yes
<b>Mechanical features</b>				
Housing type				Polyamide
Terminals type				Fixed
Conductor cross section				
	min	mm <sup>2</sup>		0.2
	Max	mm <sup>2</sup>		4
	min	AWG		24
	Max	AWG		12
Tightening torque (Max)				
		Nm		0.8
		lbin		7
Fixing				Din rail
Weight			g	320
<b>Ambient conditions</b>				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-30
		max	°C	+80
Relative humidity			%	<90
Maximum Pollution degree				2
Protection degree				IP30
<b>Dimensions</b>				

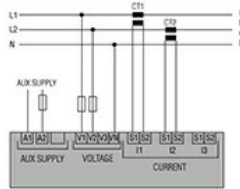


### Wiring diagrams

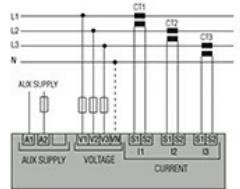
#### Single-phase



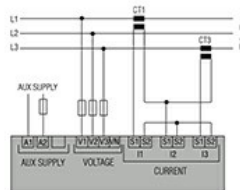
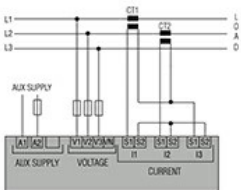
#### Two-phase



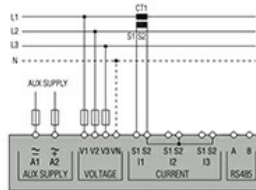
#### Three-phase with or without neutral



#### Three-phase without neutral in ARON connection



#### Balanced 3-phase connection with or without neutral



CODE	AUX SUPPLY
DMG100-110-200-210-300	100...240VAC 110...250VDC
DMG6...	100...440VAC 110...250VDC
DMG7000-7500-8000-9000	100...240VAC 110...250VDC

#### RS485 for DMG110 and DMG210



#### RS485 for DMG610



#### RS485 for DMG7500 and DMG9000



### Certifications and compliance

#### Compliance

CSA C22.2 n°14

IEC/EN 61000-6-2

IEC/EN 61000-6-4

IEC/EN 61010-1

UL508

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Certificates

cULus

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EAC

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GOST

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RCM

**ETIM classification**

ETIM 8.0

EC002301 -  
Multifunction  
measuring  
instrument